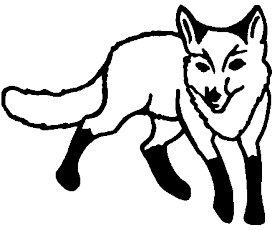
Vixen

SWITCHABLE 16K RAM



Fitting Instructions

The VIXEN cartridge must always be inserted or removed from the VIC 20 computer with the power off.

The cartridge must be set to the desired configuration prior to insertion into the expansion port at the rear of the computer. If a powered Memory Expansion Board is in use, then this should be turned off prior to insertion or removal.

On switching on the computer, the screen will display the number of bytes free. If the number of free bytes is not as shown below, then switch off, and ensure that the cartridge is switched correctly.

Switch settings

The VIXEN can be used either as a 16K RAM cartridge or an 11K RAM Cartridge. In the 11K Mode, 3K RAM fills the 3K gap in the Memory Map with the remaining 8K locating in block 1 or 3.

Two VIXENs switched in opposition will give full 27K memory expansion.

Switches should be set as follows:

Mode 1	16K	1A and 2B	(8K in each of blocks 1 and 2)
Mode 2	8K and 3K	1B and 2B	(3K in RAM 1-3 and 8K in Block 1)
Mode 3	3K only	1B and 2A	(3K in RAM 1-3 and 8K in Block 3 - however Block 3 8K is not seen by computer)
Mode 4	16K	1A and 2A	(For use with a standard 8K cartridge to give a total of 24K)

On switching on the computer with the cartridge fitted, the screen in each case will display the following:

Mode	Screen
1	19967 bytes free
2	11775 bytes free
3	6655 bytes free
4	3583 bytes free

For full expansion of the VIC 20, two VIXENS may be used together, one set to Mode 1 and the other set to Mode 3. On switching on, the screen should display 28159 bytes free.

To use two VIXENs together, we would suggest the use of a TANDEM Expansion Unit.

Note 2: Some cartridges, e.g. Machine Code Monitor, Super Expander, etc use Block 3 of RAM. If the VIXEN is to be used in conjunction with one of these cartridges then switch 2 must be set to position B to avoid attempting to locate two memory devices into the same addresses.

If you are dissatisfied with the product in any way whatsoever, please return it to the place of purchase within 14 days, where it will be replaced or a full refund given. Your statutory rights remain unaffected.

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